

0590
1009

OIPE

2
RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,432DATE: 10/26/2001
TIME: 09:31:47Input Set : N:\Crf3\temp\09944432.raw.txt
Output Set: N:\CRF3\10262001\I944432.raw

1 <110> APPLICANT: Baker, Kevin
2 Botstein, David
3 Eaton, Dan
4 Ferrara, Napoleone
5 Filvaroff, Ellen
6 Gerritsen, Mary
7 Goddard, Audrey
8 Godowski, Paul
9 Grimaldi, Christopher
10 Gurney, Austin
11 Hillan, Kenneth
12 Kljavin, Ivar
13 Napier, Mary
14 Roy, Margaret
15 Tumas, Daniel
16 Wood, William
17 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
18 ACIDS ENCODING THE SAME
19 <130> FILE REFERENCE: P2548P1C1
20 <140> CURRENT APPLICATION NUMBER: US/09/944,432
21 <141> CURRENT FILING DATE: 2001-09-26
22 <150> PRIOR APPLICATION NUMBER: 09/866,028
23 <151> PRIOR FILING DATE: 2001-05-25
24 <150> PRIOR APPLICATION NUMBER: 60/067,411
W--> 25 <151> PRIOR FILING DATE: December 3, 1997
26 <150> PRIOR APPLICATION NUMBER: 60/069,334
W--> 27 <151> PRIOR FILING DATE: December 11, 1997
28 <150> PRIOR APPLICATION NUMBER: 60/069335
W--> 29 <151> PRIOR FILING DATE: December 11, 1997
30 <150> PRIOR APPLICATION NUMBER: 60/069,278
W--> 31 <151> PRIOR FILING DATE: December 11, 1997
32 <150> PRIOR APPLICATION NUMBER: 60/069,425
W--> 33 <151> PRIOR FILING DATE: December 12, 1997
34 <150> PRIOR APPLICATION NUMBER: 60/069,696
W--> 35 <151> PRIOR FILING DATE: December 16, 1997
36 <150> PRIOR APPLICATION NUMBER: 60/069,694
W--> 37 <151> PRIOR FILING DATE: December 16, 1997
38 <150> PRIOR APPLICATION NUMBER: 60/069,702
W--> 39 <151> PRIOR FILING DATE: December 16, 1997
40 <150> PRIOR APPLICATION NUMBER: 60/069,870
W--> 41 <151> PRIOR FILING DATE: December 17, 1997
42 <150> PRIOR APPLICATION NUMBER: 60/069,873
W--> 43 <151> PRIOR FILING DATE: December 17, 1997
44 <150> PRIOR APPLICATION NUMBER: 60/068,017
W--> 45 <151> PRIOR FILING DATE: December 18, 1997
46 <150> PRIOR APPLICATION NUMBER: 60/070,440
W--> 47 <151> PRIOR FILING DATE: January 5, 1998

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/944,432

DATE: 10/26/2001
TIME: 09:31:47

Input Set : N:\Crf3\temp\09944432.raw.txt
Output Set: N:\CRF3\10262001\I944432.raw

48 <150> PRIOR APPLICATION NUMBER: 60/074,086
W--> 49 <151> PRIOR FILING DATE: February 9, 1998
50 <150> PRIOR APPLICATION NUMBER: 60/074,092
W--> 51 <151> PRIOR FILING DATE: February 9, 1998
52 <150> PRIOR APPLICATION NUMBER: 60/075,945
W--> 53 <151> PRIOR FILING DATE: February 25, 1998
54 <150> PRIOR APPLICATION NUMBER: 60/112,850
W--> 55 <151> PRIOR FILING DATE: December 16, 1998
56 <150> PRIOR APPLICATION NUMBER: 60/113,296
W--> 57 <151> PRIOR FILING DATE: December 22, 1998
58 <150> PRIOR APPLICATION NUMBER: 60/146,222
W--> 59 <151> PRIOR FILING DATE: July 28, 1999
60 <150> PRIOR APPLICATION NUMBER: PCT/US98/19330
W--> 61 <151> PRIOR FILING DATE: September 16, 1998
62 <150> PRIOR APPLICATION NUMBER: PCT/US98/25108
W--> 63 <151> PRIOR FILING DATE: December 1, 1998
64 <150> PRIOR APPLICATION NUMBER: 09/216,021
W--> 65 <151> PRIOR FILING DATE: December 16, 1998
66 <150> PRIOR APPLICATION NUMBER: 09/218,517
W--> 67 <151> PRIOR FILING DATE: December 22, 1998
68 <150> PRIOR APPLICATION NUMBER: 09/254,311
W--> 69 <151> PRIOR FILING DATE: March 3, 1999
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252
W--> 71 <151> PRIOR FILING DATE: June 22, 1999
72 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
W--> 73 <151> PRIOR FILING DATE: September 15, 1999
74 <150> PRIOR APPLICATION NUMBER: PCT/US99/28409
W--> 75 <151> PRIOR FILING DATE: November 30, 1999
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
W--> 77 <151> PRIOR FILING DATE: November 30, 1999
78 <150> PRIOR APPLICATION NUMBER: PCT/US99/28301
W--> 79 <151> PRIOR FILING DATE: December 1, 1999
80 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
W--> 81 <151> PRIOR FILING DATE: December 16, 1999
82 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565
W--> 83 <151> PRIOR FILING DATE: February 11, 2000
84 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
W--> 85 <151> PRIOR FILING DATE: February 22, 2000
86 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841
W--> 87 <151> PRIOR FILING DATE: March 2, 2000
88 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
W--> 89 <151> PRIOR FILING DATE: March 30, 2000
90 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042
W--> 91 <151> PRIOR FILING DATE: May 22, 2000
92 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710
W--> 93 <151> PRIOR FILING DATE: July 28, 2000
94 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
W--> 95 <151> PRIOR FILING DATE: December 1, 2000
96 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/944,432

DATE: 10/26/2001

TIME: 09:31:47

Input Set : N:\Crf3\temp\09944432.raw.txt

Output Set: N:\CRF3\10262001\I944432.raw

W--> 97 <151> PRIOR FILING DATE: February 28, 2001
 98 <160> NUMBER OF SEQ ID NOS: 120
 100 <210> SEQ ID NO: 1
 101 <211> LENGTH: 2454
 102 <212> TYPE: DNA
 103 <213> ORGANISM: Homo Sapien
 104 <400> SEQUENCE: 1
 105 ggactaatct gtgggagcag tttattccag tatcacccag ggtgcagcca 50
 106 caccaggact gtgttgaagg gtgtttttt tcttttaat gtaatacctc 100
 107 otcatcttt cttcttacac agtgtctgag aacattaca ttatagataa 150
 108 gtagtacatg gtggataact tctactttt ggaggactac ttcttctga 200
 109 cagtcctaga ctggcttct acactaagac accatgaagg agtatgtgct 250
 110 cctattattc ctggctttgt gctctgccaa accctcttt agcccttcac 300
 111 acatcgcact gaagaataatg atgctgaagg atatgaaaga cacagatgat 350
 112 gatgatgatg atgatgatga tgatgatgat gatgaggaca actctttt 400
 113 tccaaacaaga gagccaagaa gccatttttt tccatttgat ctgtttccaa 450
 114 tggatgtccatt tggatgtcag tgcttattcac gagttgtaca ttgctcagat 500
 115 ttaggtttga cctcagtcac accaacatt ccatttgata ctcgaatgct 550
 116 tgatcttcaa aacaataaaa ttaaggaaat caaagaaaat gatTTTaaag 600
 117 gactcacttc actttatggt ctgatcctga acaacaacaa gctaacgaag 650
 118 attcacccaa aaggcccttct aaccacaaaag aagttgcgaa ggctgtatct 700
 119 gtccccacaat caactaagtg aaataccact taatctccc aaatcattag 750
 120 cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
 121 ttcaaaaggaa tgaatgtttt acacgtttt gaaatgagtg caaaccctct 850
 122 tgataataat gggatagagc caggggcatt tgaagggtg acgggtttcc 900
 123 atatcagaat tgcagaagca aaactgaccc tggatcttcaa aggcttacca 950
 124 ccaactttat tggagcttca ctttagattat aataaaaattt caacagtgg 1000
 125 acttgaggat tttaaacgt acaaagaact acaaaggctg ggccttagaa 1050
 126 acaacaaaat cacagatatc gaaaatggg gtcttgcata cataccacgt 1100
 127 gtgagagaaaa tacatttggaa aaacaataaaa ctaaaaaaaaa tcccttcagg 1150
 128 attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
 129 ttgcaagagt gggagtaaat gacttctgtc caacagtgc aaagatgaag 1250
 130 aaatctttat acagtgcatt aagtttatttca aacaacccgg tggaaatactg 1300
 131 ggaaatgcaa cctgcaacat ttctttgtt tttgagcaga atgagtttc 1350
 132 agcttgggaa ctttggaatg taataattag taatttggta tgcattttta 1400
 133 atataagatt caaaaatccc tacatttggaa atacttgcac tctattaata 1450
 134 atggtagtat tatataataca agcaaataatc tatttcaag tggtaagtcc 1500
 135 actgacttat tttatgacaa gaaatttcaa cggaaattttgc ccaaactatt 1550
 136 gatacataag gggttggagag aaacaaggcat ctattgcagt ttcccttttg 1600
 137 cgtacaaatg atcttacata aatctcatgc ttgaccattc ctttcttcat 1650
 138 aacaaaaaaaaa taagatattc ggtatttaac actttttat caagcacatt 1700
 139 ttaaaaaaaaa ctgtactgtt aatggaaatgc ttgacttgc aaaattttgt 1750
 140 ctctttcatt tgctttttaga aaaacagaat taacaaagac agtaatgtga 1800
 141 agagtgcatt acactattct tatttttttag taacttgggt agtactgtaa 1850
 142 tatttttaat catcttaaag tatgatttga tataatctta ttgaaattac 1900
 143 ctatcatgt tttagagccc gtctttatgt taaaactaa ttctttaaaa 1950
 144 taaaggccctc agtaaatgtt cattaccaac ttgataaaatg ctactcataa 2000
 145 gagctggttt gggctatag catatgtttt tttttttta attattacct 2050
 146 gattttaaaaa tctctgtaaa aacgtgttagt gtttcataaaa atctgtact 2100

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/944,432

DATE: 10/26/2001

TIME: 09:31:47

Input Set : N:\Crf3\temp\09944432.raw.txt

Output Set: N:\CRF3\10262001\I944432.raw

147 cgcatttaa tgatccgcta ttataagctt ttaatagcat gaaaattgtt 2150
 148 aggctatata acattgccac ttcaactcta aggaatattt ttgagatatc 2200
 149 cctttggaaag accttgctt gaagagcctg gacactaaca attctacacc 2250
 150 aaattgtctc ttcaataacg tatggactgg ataactctga gaaacacatc 2300
 151 tagtataact gaataagcag agcatcaaata taaacagaca gaaaccgaaa 2350
 152 gctctatata aatgctcaga gttctttatg tatttcttat tggcattcaa 2400
 153 catatgtaaa atcagaaaac agggaaattt tcattaaaaa tattggtttg 2450
 154 aaat 2454
 156 <210> SEQ ID NO: 2
 157 <211> LENGTH: 379
 158 <212> TYPE: PRT
 159 <213> ORGANISM: Homo Sapien
 160 <400> SEQUENCE: 2
 161 Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
 162 1 5 10 15
 163 Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
 164 20 25 30
 165 Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp
 166 35 40 45
 167 Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu
 168 50 55 60
 169 Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro
 170 65 70 75
 171 Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser Asp Leu
 172 80 85 90
 173 Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr Arg Met
 174 95 100 105
 175 Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu Asn Asp
 176 110 115 120
 177 Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn Asn Asn
 178 125 130 135
 179 Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr Lys Lys
 180 140 145 150
 181 Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu Ile Pro
 182 155 160 165
 183 Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His Glu Asn
 184 170 175 180
 185 Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met Asn Ala
 186 185 190 195
 187 Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn Asn Gly
 188 200 205 210
 189 Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His Ile Arg
 190 215 220 225
 191 Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu Pro Pro
 192 230 235 240
 193 Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser Thr Val
 194 245 250 255
 195 Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg Leu Gly
 196 260 265 270

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/944,432

DATE: 10/26/2001

TIME: 09:31:47

Input Set : N:\Crf3\temp\09944432.raw.txt
 Output Set: N:\CRF3\10262001\I944432.raw

```

197  Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser Leu Ala
198          275          280          285
199  Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn Lys Leu
200          290          295          300
201  Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu Gln Ile
202          305          310          315
203  Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val Asn Asp
204          320          325          330
205  Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr Ser Ala
206          335          340          345
207  Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met Gln Pro
208          350          355          360
209  Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln Leu Gly
210          365          370          375
211  Asn Phe Gly Met
213 <210> SEQ ID NO: 3
214 <211> LENGTH: 20
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
219 <400> SEQUENCE: 3
220  ggaaatgagt gcaaaccctc 20
222 <210> SEQ ID NO: 4
223 <211> LENGTH: 24
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
228 <400> SEQUENCE: 4
229  tcccaagctg aacactcatt ctgc 24
231 <210> SEQ ID NO: 5
232 <211> LENGTH: 50
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
237 <400> SEQUENCE: 5
238  gggtaggggt gttccatatac agaattgcag aagcaaaact gacctcagg 50
240 <210> SEQ ID NO: 6
241 <211> LENGTH: 3441
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo Sapien
244 <400> SEQUENCE: 6
245  cggacgcgtg ggccggacgcg tgggccccgcs gcaccgcccc cggcccgccc 50
246  ctccgcctc cgcactcgcg cctccctccc tccgcccgtt cccgcgcctc 100
247  cctccctccc tcctccccag ctgtcccggtt cgcgtcatgc cgagcctccc 150
248  ggccccgcgg gccccgctgc tgctccctgg gctgctgctg ctcggctccc 200
249  ggccggcccg cggcgccggc ccagagcccc ccgtgctgcc catccgttct 250

```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/944,432

DATE: 10/26/2001
TIME: 09:31:48

Input Set : N:\Crf3\temp\09944432.raw.txt
Output Set: N:\CRF3\10262001\I944432.raw

L:25 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:27 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:31 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:33 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:35 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:37 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:39 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:41 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:43 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:45 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:47 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:49 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:51 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:53 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:55 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:57 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:59 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:61 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:63 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:65 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:67 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:69 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:71 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:73 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:75 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:77 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:79 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:81 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:83 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:85 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:87 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:89 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:91 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:93 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:95 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:97 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD

STATISTICS SUMMARY

PATENT APPLICATION: US/09/944,432

DATE: 10/26/2001

TIME: 09:31:48

Input Set : N:\Crf3\temp\09944432.raw.txt

Output Set: N:\CRF3\10262001\I944432.raw

Application Serial Number: US/09/944,432

Alpha or Numeric: Numeric

Application Class:

Application File Date: 09-26-2001

Art Unit: OIPE

Software Application:

Total Number of Sequences: 120

Total Nucleotides: 35991

Total Amino Acids: 7298

Number of Errors: 0

Number of Warnings: 37

Number of Corrections: 0

MESSAGE SUMMARY

256 W: 37 (Invalid Numeric Header Field)